

Title (en)

A METHOD FOR OPERATING A PRE-BAKE ELECTROLYSIS CELL SYSTEM AND AN ARRANGEMENT FOR USE IN THIS SYSTEM

Title (de)

VERFAHREN ZUM BETRIEB EINES PREBAKE-ELEKTROLYSEZELLENSYSTEMS UND ANORDNUNG ZUR VERWENDUNG IN DIESEM SYSTEM

Title (fr)

PROCEDE PERMETTANT DE FAIRE FONCTIONNER UN SYSTEME DE CELLULES A L'ELECTROLYSE PRE-CUITES ET DISPOSITIF DESTINE A ETRE UTILISE DAN CE SYSTEME

Publication

**EP 1446625 A1 20040818 (EN)**

Application

**EP 02775602 A 20021101**

Priority

- NO 0200399 W 20021101
- NO 20015573 A 20011114

Abstract (en)

[origin: WO03042618A1] The present invention concerns a method and an arrangement for use in an electrolysis cell system, comprising a hall with electrolysis cells (C) that use anodes of the pre-bake type for the production of aluminium. The invention comprises temporary storage of consumed anodes and other material that are removed from the cells in closable storage arrangements (A, B) arranged in the hall. The storage arrangements can be connected to an extraction system. Furthermore, during use, the storage arrangements (A, B) are placed at a distance from the cells (C) so that the operations performed on the cells are not obstructed by the storage arrangements. The storage arrangements (A, B) are also designed to be connected to an extraction system (4, 5) placed at a distance from the cells. The storage arrangements are specially designed with means to reduce emissions of gas to the surroundings and to enhance the efficiency of the cooling process. They are also designed to be transported by a vehicle (42).

IPC 1-7

**F27D 3/12**; **F27D 15/02**; **C25C 3/06**; **C25C 3/22**; **C25C 7/06**

IPC 8 full level

**C25C 3/06** (2006.01)

CPC (source: EP)

**C25C 3/06** (2013.01); **Y02P 10/25** (2015.11)

Citation (search report)

See references of WO 03042618A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

**WO 03042618 A1 20030522**; CA 2467019 A1 20030522; CA 2467019 C 20120821; EP 1446625 A1 20040818; NO 20015573 D0 20011114; NO 20015573 L 20030515; NO 315278 B1 20030811

DOCDB simple family (application)

**NO 0200399 W 20021101**; CA 2467019 A 20021101; EP 02775602 A 20021101; NO 20015573 A 20011114